



**Product:** [83001](#)

Lead Wire, #28 Str SPC, TFE Ins, AWM 1213 105C TYPE E

[Request Sample](#)

**Product Description**

High Temp Plastic Lead Wire, 28AWG (7x36) Silver Plated Copper, TFE Insulation, AWM 1213 105C TYPE E MIL-W-16878/4 600V 200C

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Conductors
28	7x36	SCC - Silver-coated Copper	1

Conductor Count:	1
------------------	---

**Insulation**

Material	Nominal Diameter	Nominal Wall Thickness
TFE - Tetrafluoroethylene	0.035 in	0.01 in

**Outer Jacket Material**

Material
No Jacket

**Electrical Characteristics**

**Current**

Element	Max. Recommended Current [A]
Single conductor in ambient air of 30C	1.8 A

**Voltage**

Voltage Rating [V]
600 V

**Temperature Range**

Non-UL Temp Rating:	200°C
UL Temp Rating:	105°C

**Mechanical Characteristics**

Bulk Cable Weight:	1.3 lbs/1000ft
--------------------	----------------

**Standards**

UL AWM Style:	1213
Military Specification:	NEMA HP3, MIL-W-16878/4 (Except For Stranding)

**Applicable Environmental and Other Programs**

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes

EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Flammability, LS0H, Toxicity Testing

UL Flammability:	VW-1
UL voltage rating:	600 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

## Part Number

### Variants

Item #	Color	UPC	Length	Footnote
83001 010100	Black		100 ft	E
83001 0101000	Black	612825354871	1,000 ft	E S
83001 006100	Blue, Light		100 ft	E
83001 0061000	Blue, Light	612825399193	1,000 ft	E S
83001 001100	Brown		100 ft	E
83001 0011000	Brown	612825399162	1,000 ft	E S
83001 008100	Gray		100 ft	E
83001 0081000	Gray		1,000 ft	E S
83001 005100	Green, Dark		100 ft	E
83001 0051000	Green, Dark		1,000 ft	E S
83001 003100	Orange		100 ft	E
83001 0031000	Orange	612825399179	1,000 ft	E S
83001 002100	Red		100 ft	E
83001 0021000	Red	612825354888	1,000 ft	E S
83001 007100	Violet		100 ft	E
83001 0071000	Violet	612825399209	1,000 ft	E S
83001 009100	White		100 ft	E
83001 0091000	White	612825378310	1,000 ft	E S
83001 004100	Yellow		100 ft	E
83001 0041000	Yellow	612825399186	1,000 ft	E S

Footnote:	E - MAY CONTAIN MORE THAN 1 PIECE. MINIMUM LENGTH OF ANY ONE PIECE IS 25'.
Footnote:	S - STRIPING ADDERS FOR TYPES E AND EE: 1, 2, 3 STRIPES. MINIMUM ORDER 10,000' PER STRIPE COMBINATION. (SEE STRIPING ADDER TABLE)

## History

Update and Revision:	Revision Number: 0.265 Revision Date: 12-19-2019
----------------------	--

© 2020 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.